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January 17, 1995

FACSIMILE TRANSMITTAL SHEET

TO: Examiner P. Gambel
Group 1806
U.S. Patent and Trademark Office

CLIENT NO: 27866
MATTER NO: 31753
COUNTRY CODE: US

FROM: Lily Rin-Laures

PLEASE DELIVER DIRECTLY to Examiner P. Gambel – for discussion 1/18/95

PAGES (INCLUDING THIS PAGE): 3

PLEASE CONFIRM RECEIPT: no

MESSAGE: RE: Masinovsky et al., 08/051,455 filed April 21, 1990

Examiner Gambel:

As we discussed earlier today, attached is a brief summary of the data for discussion tomorrow at 1:00 pm (but not for filing in the case). If you have any questions or require anything further before then, please do not hesitate to call me at 312-474-6639.

Lily Rin Laures

Li-Hsien Rin-Laures

Please contact Lily at 474-6300 if you do not receive all of the pages in good condition.

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Bone Marrow Progenitor Cell Mobilization by Anti-VCAM-1 Antibody

Mobilization of bone marrow progenitor cells by an anti-VCAM-1 antibody was assessed in a non-human primate model. Several parameters were assessed before and after administration of the antibody (6G10). The measured parameters included levels of lymphocytes and total white blood cells in the peripheral blood, granulocyte-macrophage-colony forming units in the peripheral blood, erythroid burst forming units in the peripheral blood, granulocyte-macrophage-colony forming units from bone marrow plugs and erythroid burst forming units from bone marrow plugs. Following sample collection, colony and burst forming units were measured by culturing the samples and assessing colony formation.

The results are demonstrated on the attached graphs. The top graph illustrates results of progenitor cell cultures of bone marrow plugs. The bottom graph illustrates results of progenitor cell cultures of peripheral blood. The lines on the two graphs represent the levels of total white blood cells and lymphocytes in the peripheral blood. The bars indicate the level of progenitor cells that were cultured from bone marrow plugs and peripheral blood, respectively. As demonstrated from the top graph, more progenitor cells were cultured from bone marrow plugs that were extracted following administration of 6G10 than pre-treatment samples. Further, the bottom graph demonstrates a marked increase in the number of progenitor cells in the peripheral blood following treatment with 6G10. This illustrates that administration of 6G10 to an animal mobilizes bone marrow progenitor cells into the peripheral blood.

RE: U.S. SERIAL NO. 08/051,45[redacted] DRAFT - NOT FOR FILIN[redacted]